Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/10/2015 10:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123884	-1	5.20	123895	5.25
Blue	F	SSC	125000	123805	-1	3.00	124699	2.74
Blue	E	FITC	17224	16910	-2	2.63	957	9.57
Blue	D	PE	22462	21933	-3	2.14	991	8.72
Blue	B	PerCP-Cy5-5	63940	63853	-1	2.91	1677	14.23
Blue	A	PE-Cy7	72480	71192	-2	4.05	922	27.74
Red	C	APC	63778	63428	-1	2.58	3574	8.03
Red	A	APC-Cy7	97254	96145	-2	2.57	1897	7.73
Violet	B	V450	10730	10214	-5	3.58	635	8.64
Violet	A	V500	42147	40732	-4	3.21	2299	5.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18732	28.73	625	5	N/A	N/A	Pass
Blue	F	SSC	61892	1.74	532	5	N/A	N/A	Pass
Blue	E	FITC	103	38.31	541	2	0.0220	213	Pass
Blue	D	PE	204	27.11	534	2	0.1571	191	Pass
Blue	B	PerCP-Cy5-5	201	43.71	620	6	0.0097	37	Pass
Blue	A	PE-Cy7	66	114.45	678	5	0.0120	15	Pass
Red	C	APC	334	25.74	583	-1	0.0217	0	Pass
Red	A	APC-Cy7	120	37.07	564	-1	0.0051	776	Pass
Violet	B	V450	67	45.85	475	1	0.0404	2021	Pass
Violet	A	V500	150	24.14	505	2	0.0140	672	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.58	-31.30	0.70
Blue	20.48	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.17
Red	15.62	13.09 - 19.63	N/A	N/A	31.71	31.89	1.08

Window Extension: 7.00
FSC Area Scaling Factor: 0.82

Threshold

Threshold (FSC): 10030

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments